

	U	1	Document ID	Issue Date	Pages	Title
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5489742 A	19960206	24	Transgenic rats and animal models of inflammatory disease
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	WO 9739117 A1	19971023	86	CONDITIONALLY IMMORTALISED CELL LINES DERIVED FROM TRANSGENIC ANIMALS
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	JP 2000228930 A	20000822	9	TRANSGENIC RAT INTRODUCED WITH IMMORTALIZING GENE
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	JP 2000228930 A	20000822	9	New transgenic rat is useful for establishing immortalized cell lines



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(54) Title: CONDITIONALLY IMMORTALISED CELL LINES DERIVED FROM TRANSGENIC ANIMALS

## (57) Abstract

The invention relates to mammalian cell lines and transgenic mammals. More particularly, it relates to a method for producing a rat cell line, a method for producing a transgenic rat, a transgenic rat, a rat cell line, cells and tissue obtained therefrom and uses therefore. The cell line derived from a transgenic mammal comprises: (i) a conditional oncogene, transforming gene or immortalising gene or a cell cycle affecting gene; and (ii) a cell type specific promoter. They include a neuronal cell line in which the cell type specific promoter is an NF-L gene promoter, and a mammary cell line in which the cell type specific promoter is a MMTV gene promoter. The conditional oncogene, transforming gene or immortalising gene is preferably a SV40tsA58 gene.

CLIPPEDIMAGE= JP02000228930A

PAT-NO: JP02000228930A

DOCUMENT-IDENTIFIER: JP 2000228930 A

TITLE: TRANSGENIC RAT INTRODUCED WITH IMMORTALIZING GENE

PUBN-DATE: August 22, 2000

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APPL-NO: JP10064059

APPL-DATE: February 27, 1998

INT-CL\_(IPC): A01K067/027; C12N005/10 ; C12N015/09

ABSTRACT:

PROBLEM TO BE SOLVED: To obtain the subject rat useful for screening about safety or validity of a medicinal agent, studies of differentiation or function of various organs by introducing an immortalizing gene obtained by introducing a specific large T antigen gene into a totipotent cell of a rat.

SOLUTION: This transgenic rat is obtained by introducing an immortalizing gene a large T antigen gene of an SV40 temperature sensitive mutant strain tsA58 into a totipotent cell of a rat. Preferably, a tissue cell of an organ of the transgenic rat is collected and subcultured to establish an immortalizing cell strain and the immortalizing cell strain has a permanent reproduction potency at 33-37

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DERWENT-WEEK: 200059  
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TITLE: New transgenic rat is useful for establishing immortalized cell lines

PATENT-ASSIGNEE: YS NEW TECHNOLOGY KENKYUSHO[YSNEN]

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APPLICATION-DATA:

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C12N005/10

ABSTRACTED-PUB-NO: JP2000228930A

BASIC-ABSTRACT: NOVELTY - A transgenic rat (I) comprising an integrated immortalized gene prepared by introduction of a large T-antigen gene of SV40 temperature sensitive mutant strain tsA58 in totipotency cells of rat, is new.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a process for establishing an immortalized cell line by collecting the tissue cells of rat organ from (I).

USE - Preparation of immortalized cells of organs including kidneys and testes of transgenic animals.

ADVANTAGE - Immortalized cells can be used for screening of safety and efficacy of investigational drugs, diagnosis of functional disorders of organs and investigation of differentiation and functions of cells.

CHOSEN-DRAWING: Dwg.0/3

TITLE-TERMS:

NEW TRANSGENIC RAT USEFUL ESTABLISH CELL LINE

DERWENT-CLASS: B04 D16 P14

CPI-CODES: B04-F0100E; B04-P01A0E; B12-K04; D05-H08; D05-H16A;

CHEMICAL-CODES:

Chemical Indexing M1 \*01\*

Fragmentation Code

M423 M710 M720 M905 N135 N136 N137 P831 Q233

Specific Compounds

A00GTN A00GTP

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2000-184496

Non-CPI Secondary Accession Numbers: N2000-455456